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Docket No.: 1568.1086

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Hyun-Jei Chung et al

Serial No. 10/791,269

Group Art Unit: 1745

Confirmation No. 8941

Filed: March 3, 2004

Examiner: Robert W. Hodge

For:

POUCH-TYPE LITHIUM, SECONDARY BATTERY AND FABRICATION METHOD THEREOF

# LETTER TO THE EXAMINER REQUESTING ENTRY OF CHANGE IN POWER OF ATTORNEY AND CORRESPONDENCE ADDRESS

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with the enclosed Power of Attorney, it is respectfully submitted that the attorneys of Stein, McEwen, & Bui, LLP, customer number 49,455, are associated with the instant application and all prior powers of attorney have been revoked.

Please direct all correspondence to the address associated with customer number 49,455, which is presently as follows:

Stein, McEwen, & Bui, LLP 1400 Eye St., NW Suite 300 Washington, D.C. 20005

Respectfully submitted,

STEIN, MCEWEN & BUI, LLP

By:

Michael D. Stein

Registration No. 37,240

1400 Eye St., N.W. Suite 300 Washington, D.C. 20005 Telephone: (202) 216-9505 Facsimile: (202) 216-9510

Date: 3/24/0.



## POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST AND REVOCATION OF PRIOR POWERS

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

The undersigned corporation is the assignee of record of the entire right, title, and interest of the patent applications and patents identified listed in the enclosed Attachment A:

**REVOCATION OF PRIOR POWERS OF ATTORNEY** 

revokes all powers of attorney previously given, and

**NEW POWER OF ATTORNEY** 

appoints the attorneys and/or agents of Stein, McEwen & Bui, LLP under Customer No. 49,455 to prosecute and transact all business in the United States Patent and Trademark Office connected therewith.

CORRESPONDENCE CHANGE OF ADDRESS

All correspondence and telephone communications should be directed to the address associated with Customer Number 49,455, which is currently:

STEIN, MCEWEN & BUI, LLP 1400 EYE ST., N.W. SUITE 300 WASHINGTON, D.C. 20005 PHONE: (202) 216-9505 FACSIMILE: (202) 216-9510

#### STATEMENT AND CERTIFICATION UNDER 37 CFR §3.73(B)

SAMSUNG SDI CO., LTD., a Korean corporation certifies that it is the assignee of the entire right, title and interest in the patent applications and patents identified in the enclosed Attachment A, by way of assignments, and those assignments were recorded in the USPTO with available data identified in the Attachment A and/or are attached hereto as indicated in Attachment A.

The undersigned is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

If there are any fees associated with the filing of this Statement and Certification, please charge and/or credit the same to Deposit Account No. 503333.

SAMSUNG SDI CO., LTD. 575, Shin-dong, Paldal-gu, Suwon-city Kyungki-do Republic of Korea

Dated March 19, 2005

Name: Byung Su Han Title: Senior Manager

# ATTACHMENT A Assignments to Samsung SDI

Docket#	Filed	Serial #	Reel 1	Attached
1514 . 1020	11/13/2002	10/292,627	013486/0295	1
1514 . 1044	8/25/2004	10/924,911		Х
1514 . 1045	10/27/2004	10/973,262		Х
1567 . 1070	8/4/2004	10/910,350	015664 / 0678	
1567 . 1071	9/3/2004	10/933,384		Х
1567 . 1072	9/21/2004	10/944,886		Х
1567 . 1073	7/12/2004	10/887,899	015573 / 0970	
1568 . 1077	12/12/2003	10/733,335		Х
1568 . 1086	3/3/2004	10/791,269	015577 / 0904	
1568 . 1095	3/12/2004	10/798,882	015591 / 0211	
1568 . 1096	8/11/2004	10/915,569	015677 / 0221	X
1568 . 1097	8/4/2004	10/910,327	015657 / 0824	
1568 . 1098	6/9/2004	10/863,510		X
1568 . 1099	6/28/2004	10/876,843	015523 / 0170	
1568 . 1100	8/5/2004	10/911,661	015664 / 0210	
1568 . 1101	9/9/2004	10/936,668		X
1568 . 1102	8/11/2004	10/915,567	015677 / 0212	
1798 . 1001	10/19/2004	10/967,179		X
1798 . 1002	8/19/2004	10/921,202		X
1798 . 1003	10/18/2004	10/965,734		X



E#1 1/00

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinatter, "ASSIGNOR") by (Insert Name(s) & Address(es) of ASSIGNEE(S))

Samsung SDI Co., Ltd. 575 Shin-dong, Yeongtong-gu Suwon-si, Gyeonggi-do Republic of Korea

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby solls, assigns and transfers to ASSIGNEE the entire and exclusive right, (ille and interest to the invention entitled (Title of Invention)

#### Active matrix type organic electroluminescence device

relating to International Patent Application PCT/JP/ executed on even date herewith or, if not so executed, was,	and/or for which application for Letters Patent of the United States was
(a) executed on 27 July 2004 ;	(Insert date of execution of application, if not concurrent)
(b) filed on; Serial No/;	Any registered attorney of STAAS & HALSEY U.F. 700 Eleventh Street, N.W., Washington, D.C. 20001 (202/434-1500) is hereby authorized to insert in (b) the specified data, when known.
reissue or reexamination application based thereon, for the full any extensions thereof (collectively, hereinafter, "said applicate.  The ASSIGNOR agree(s), when requested by said ASSIGN which the ASSIGNEE may deem necessary, desirable or experincluding in the preparation and prosecution of said application reexamination, or public use proceeding, and in any litigation of the property of the proceeding.	ates granted on said application and any continuation, division, renewal, substitute I term or terms for which the said Letters Patent(s) may be granted and including ion(s) and Letters Patent(s)")  IEE and without charge to but at the expense of said ASSIGNEE, to do all acts dient, for securing, maintaining and enforcing protection for said invention, n(s) and the issuance of said Letters Patent(s), in any interference, reissue, or other legal proceeding which may arise or be declared an relation to same, such ding separate assignments and declarations, taking all rightful ouths, providing
IN WITNESS WHEREOF, the undersigned inventor(s) has (Typed Name & Signature of Inventor(s))	(have) affixed his/her/their signature(s). (Date) (Typed Name & Signature of Witness(cs))
Ul-Ho Lee 27	July 2004

S&H 1/00

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

(Insert Name(s) & Address(es) of ASSIGNEE(S))

SAMSUNG SDI CO., LTD. 575, Shin-dong, Yeongtong-gu Suwon-si, Gyeonggi-do Republic of Korea

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled (Title of Invention)

LITHIUM ION SECONDARY BATTERY	
relating to International Patent Application PCT/JP/_ States was executed on even date herewith or, if not so ex	and/or for which application for Letters Patent of the United ecuted, was:
(a) executed on ;	(Insert date of execution of application, if not concurrent)
(b) filed on ,	Any registered attorney of STAAS & HALSEY LLP, 1201 New York Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500)
Serial No. ;	is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing swom testimony, and obtaining and producing evidence.

IN (	I WITNESS WHEREO Typed Name & Signa	OF, the undersigned ature of Inventor(s))	inventor(s) has (hav	re) affixed his/her/ ate)	their signature(s). (Typed Name & S	ignature of Witness(e	s),
1)	Jun ho	Kim	August	12, 2004	Hojong Ho Jong	kim Kim	
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IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

(Insert Name(s) & Address(es) of ASSIGNEE(S))

SAMSUNG SDI CO., LTD. 575 Shin-dong, Yeongtong-gu

575 Shin-dong, Yeongtong-gu	
Suwon-si, Gyeonggi-do	
	the maximum and
(hereinafter, "ASSIGNEE"), the receipt of which is hereby actions feet to ASSIGNEE the entire and exclusive right, title at	knowledged, the undersigned ASSIGNOR hereby sells, assigns and and interest to the invention entitled
(Title of Invention)	CTRODE TAP POSITIONED AT SHORT SIDE PORTION OF
SECONDARY BATTERY AND METHOD WITH ELE- SECONDARY BATTERY CAN	CTRODE TAP POSITIONED AT SHORT SIDE PORTION OF
relating to International Patent Application PCT/JP/ States was executed on even date herewith or, if not so exe	and/or for which application for Letters Palent of the United
:	(Insert date of execution of application, if not concurrent)
(a) executed on :	1004 Now York
(b) filed on .	Any registered ettorney of STAAS & HALSEY LLP, 1201 New York Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500) Is hereby euthorized to insert in (b) the specified data, when known.
Serial No. ;	
renewal, substitute, lease of any extensions thereof (collarmay be granted and including any extensions thereof (collarmay be granted and including any extensions thereof any deem enforcing protection for said invention, including in the pre Letters Patent(s), in any interference, release, reexamination may arise or be declared in relation to same, such assignments and declarations, taking all rightful oaths, pro	ed States granted on said application and any continuation, division, assed thereon, for the full term or terms for which the said Letters Patent(s) actively, hereinafter, "said application(s) and Letters Patent(s)").  Bid ASSIGNEE and without charge to but at the expense of said in necessary, desirable or expedient, for securing, maintaining and paration and prosecution of said application(s) and the Issuance of said application or other legal proceeding ion, or public use proceeding, and in any litigation or other legal proceeding acts to include but not be limited to executing all papers, including separate by oviding swom testimony, and obtaining and producing evidence.
IN WITNESS WHEREOF, the undersigned inventor(s) (Typed Name & Signature of Inventor(s))	has (have) affixed his/her/their signatura(s). (Typed Name & Signature of Witness(es)) (Date)
1) Jun Ho Kim I	August 12, 2004 Hojong Kim
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IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

(Insert Name(s) & Address(es) of ASSIGNEE(S))

SECONDARY BATTERY WITH SAFETY VENTS

SAMSUNG SDI CO., LTD. 575, Shin-dong, Youngtong-gu Suwon-si, Gyeonggi-do Republic of Korea

(hereinafter. "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled (Title of Invention)

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	ng to International Patent Application P executed on even date herewith or, if n	
(8)	executed on ;	(Insert date of execution of application, if not concurrent)
(þ)	filed on ,	Any registered attorney of STAAS & HALSEY LLP, 1201 New York
Ser	ial No. :	Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500) is

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, release or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing swom testimony, and obtaining and producing evidence.

IN WITNES (Typed Na	SS WHEREOF, the undersigned in same & Signature of Inventor(s))	nventor(s) has (have) affixed his (Date)	whentheir signature(s). (Typed Name & Signature of Witness(es,	))
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2) S	HOKIM T HOW	2004.10.13	Yoon Hee KIM	
3)Seur	ng Taek HÓNG		Su Jin KIM	
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IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by {\line(r) \text{Nume(x) & Address(ex) of ASSIGNEE(S)}}

Samsung SDI.Co., Ltd. 575 Shin-dong, Yeongtong-gu Suwon-si, Gyeonggi-do Republic of Korea

(heremulter, "ASSIGNI-I"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNI-I the entire and exclusive right tale and interest to the invention entitled (Title of Invention)

#### **POUCH TYPE SECONDARY BATTERY**

relating to International Patent Application PCT//P/_ executed on even date herewith or, if not so executed, was:	and/or for which application for Lett	ers Patent of the United States was
(a) executed on 31 August 2004	(Insert date of execution of application	if not concurrent)
(b) filed on	Any registered attorney of STAAS & H. N W Washington, D.C. 20001 (2024)	4-1500) is hereby authorized to
Serial No	insert in (b) the specified data when kr	ON'N
and to said application and all Letters Patent(s) of the United Strussive or reexamination application based thereon, for the figure extensions thereof (collectively, hereinafter, "said application extensions thereof (collectively, hereinafter, "said application expended by said ASSIGNIE" may deem necessary, desirable or expending in the preparation and prosecution of said application and in the preparation and prosecution of said applications to include but not be limited to executing all papers, inclusion (estimony, and obtaining and producing evidence). IN WITNIES WHERFOF, the undersigned inventor(s) in (Typed Name & Signature of Inventor(s)).	If term or terms for which the said Letters Pat- stion(s) and Letters Patent(s)*)  NEE and widiout charge to but at the expense edient, for securing, maintaining and enforcing on(s) and the issuance of said Letters Patent(s) or other legal proceeding which may arise or iding separate assignments and declarations, to the control of the	ent(s) may be granted and including of said ASSIGNEE, to do all acts g protection for said invention. ), in any interference, reissue, be declared in relation to same, such
	August 2004	ne ee signature of withess(eas)
In-Won Hwang 31	#494BC 2004	
In-Won Hwang *		
	August 2004	
)) LEE H B 31 Hyung-Bok Lcc		
)) LEE H B 31 Hyung-Bok Lcc	August 2004	•

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

(Insert Name(a) & Address(es) of ASSIGNEE(S))

SAMSUNG SDI CO., LTD. 575, Shin-dong, Youngtong-gu

Suwon-si, Gyeonggi-do Republic of Korea	
(hereinafter, "ASSIGNEE"), the receipt of which is hereby a transfers to ASSIGNEE the entire and exclusive right, title a (Title of Invention)	cknowledged, the undersigned ASSIGNOR hereby settle, assigns and interest to the invention entitled
POUCHED LITHIUM SECONDARY BATTI	ERY
relating to International Patent Application PCT/JP/ States was executed on even date herewith or, if not so exe	and/or for which application for Latters Patent of the United
(a) executed on ; 1 September 2004	(Insert date of execution of application, if not concurrent)
(b) filed on June 9, 2004, Serial No. 10/853,510;	Any registered attorney of STAAS & HALSEY U.P., 1201 New York Avenue, N.W., Sufte 700 Washington, D.C. 20005 (202/434-1500) is heroby authorized to insert in (b) the specified date, when known.
may be granted and including any extensions thereof (collect The ASSIGNOR agree(s), when requested by sain ASSIGNEE, to do all acts which the ASSIGNEE may deem reinforcing protection for said invention, including in the preparations are parameters.  Letters Patent(s), in any interference, reissue, reexamination which may arise or he declared in relation to approximate the saintenance.	I States granted on said application and any continuation, division, sed theraon, for the full term or terms for which the said Letters Patent(s) tively, hereinafter, "said application(s) and Letters Patent(s)").  I ASSIGNEE and without charge to but at the expense of said secassary, desirable or expedient, for securing, maintaining and recessary and proceeding and application(s) and the issuance of said or public use proceeding, and in any litigation or other legal proceeding to include but not be limited to executing all papers, including separate ting sworn testimony, and obtaining and producing evidence.  Is (have) affixed his/her/their signature(s).
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IN CONEIDCRATION of the sum of One Pollar (\$1.00), and of other good and valuable consideration paid to the undereigned inventor(s) (hereinafler, "ASSIGNOR") by

(Insert Name(s) & Address(es) of ASSIGNEE(S))

SAMSUNG SDI CO., LTD. 575, Shin-dong, Young Long-gia Suwon-city, Kyungki-do Korea

(hereinatier, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undereigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled (Title of Invention)

POUCH-TYPE	LITHIUM SECONDARY BATTERY
relating to international Patent Application PCT/JP_ was executed on even date herewith or, if not to exe	And In for which application for Lettora Palent of the United State cuted, was;
(a) executed on ;	(insert data of execution of application, if not concurrent)
(b) filed on ,	Any registered atterney of STAAS & HALSEY ILP, 1201 New York Avenue, N.W., Suito 700 Weshington, D.C. 20005 (202/434-1500) is
Serial No. New;	namny authorized to Insert in (b) the epocified date, when known.
granted and including any extensions thereof (collect The ASSIGNOR agree(s), when requested to do all acts which the ASSIGNEE may deam necess said invention, including in the preparation and prose interference, reissue, reexamination, or public use produced in relation to same, such acts to include but declarations, taking all rightful outlis, providing sworm	tor(a) has (have) affixed high to their signature(s). (Date) (Typed Name & Signature of Witness(es))
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S&H 7/03

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by (Insert Name(s) & Address(es) of ASSIGNEE(S))

SAMSUNG SDI CO., LTD. 575 Shin-dong, Yeongtong-gu Suwon-si, Gyeonggi-do Republic of Korea

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled (Title of Invention)

#### ELECTROLYTE FOR LITHIUM BATTERY AND LITHIUM BATTERY COMPRISING SAME and/or for which application for Letters Patent of the United States was relating to International Patent Application PCT/\_\_/ executed on even date herewith or, if not so executed, was: (a) executed on Sep. 20, 2004 (Insert date of execution of application, if not concurrent) Any registered attorney of STAAS & HALSEY LLP, 1201 New York Ave.. N.W., Suite 700, Washington, D.C. 20005 (202/434-1500) is hereby authorized to insert in (b) the specified data, when known. and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)"). The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence. IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s). (Typed Name & Signature of Witness(es)) (Typed Name & Signature of Inventor(s)) Mi-Hyun Jeon

&H 7/03

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by (Insert Name(s) & Address(es) of ASSIGNEE(S))

SAMSUNG SDI CO., LTD. 575, Shin-dong, Yeongtong-gu Suwon-si, Gyeonggi-do Republic of Korea

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled (Title of Invention)

# relating to International Patent Application PCT/\_ /\_\_\_\_\_ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was: (a) executed on \_\_\_\_\_ August 20,2004 \_\_\_\_\_; (Insert date of execution of application, if not concurrent) (b) filed on \_\_\_\_\_\_ Any registered attorney of STAAS & HALSEY LLP. 1201 New York Ave... N.W., Suite 700, Washington, D.C. 20005 (202/434-1500) is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

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IN WITNESS WHEREOF, the undersigned invent (Typed Name & Signature of Inventor(s))	tor(s) has (have) affixed his/her/their (Date)	signature(s). (Typed Name & Signature of Witness(es))	
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1) Hurry Drok Chul	August 20,2004	Palesport	
Duck-Chul HWANG		Yun-Ha	Park
2) Severy Sik Hwang	August 20,2004	Panle Bontt	_
Seung-Sik HWANG		Yun-Ha	Park
3) Symole Lee	August 20, 2004	Parle Broth	
Sang-Mock LEtt		Yun-Ha	Park
4) /ho	August 20,2004	Parke Unto	_
Chung-Kun CHO		Yun-Ha	Park
5)	August 20,2004	Porte gutt run-Ha	_
Yun-Suk CHOV		Yun-Ha	Park

S&H 1/00

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

(Insert Name(s) & Address(es) of ASSIGNEE(S))

SAMSUNG SDI CO., LTD. 575, Shin-Dong, Yeongtong-gu, Suwon-si, Gyeonggi-do Republic of Korea

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Title of Invention)	nd interest to the invention entitled
DRIVING METHOD OF FS-LCD	
elating to International Patent Application PCT/JP/_ vas executed on even date herewith or, if not so executed,	and/or for which application for Letters Patent of the United States was:
(a) executed on ;	(Insert date of execution of application, if not concurrent)
(b) filed on	Any registered attorney of STAAS & HALSEY LLP, 1201 New York
Serial No.	Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500) is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, \*said application(s) and Letters Patent(s)\*).

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	IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).			
	I I VDEG INAME & SIGNATURE OF INVENTORIST	(Data)	Company of the contract of the	
1)	Tae-Soo KIM	October 18,	2004	
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S&H 1/00

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

(Insert Name(s) & Address(es) of ASSIGNEE(S))

SAMSUNG SDI CO., LTD. 575, Shin-dong, Youngtong-gu Suwon-si, Gyeonggi-do Republic of Korea

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled (Title of Invention)

DUAL-TYPE FLAT PANEL DISPLAY DEVICE						
relating to International Patent Application PCT/JP and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:						
(a) executed on ;	(Insert date of execution of application, if not concurrent)					
(b) filed on ,	Any registered attorney of STAAS & HALSEY LLP, 1201 New York Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500)					
Serial No.;	is hereby authorized to insert in (b) the specified data, when known.					

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned invo (Typed Name & Signature of Inventor(s))	entor(s) has (have) affixed his/her/tr (Date)	eir signature(s). (Typed Name & Signature of Witness(es))
1) Dong-Jim Park	August 11, 2004	
2) <u>Tae - Hy eo g</u> Jung Tae-Hyeog JUNG	August 11, 2004	
3) Hap Im Has	August 11, 2004	
4) AMC Byung-Seon AN	August 11, 2004	
5)		
6)		
7)		